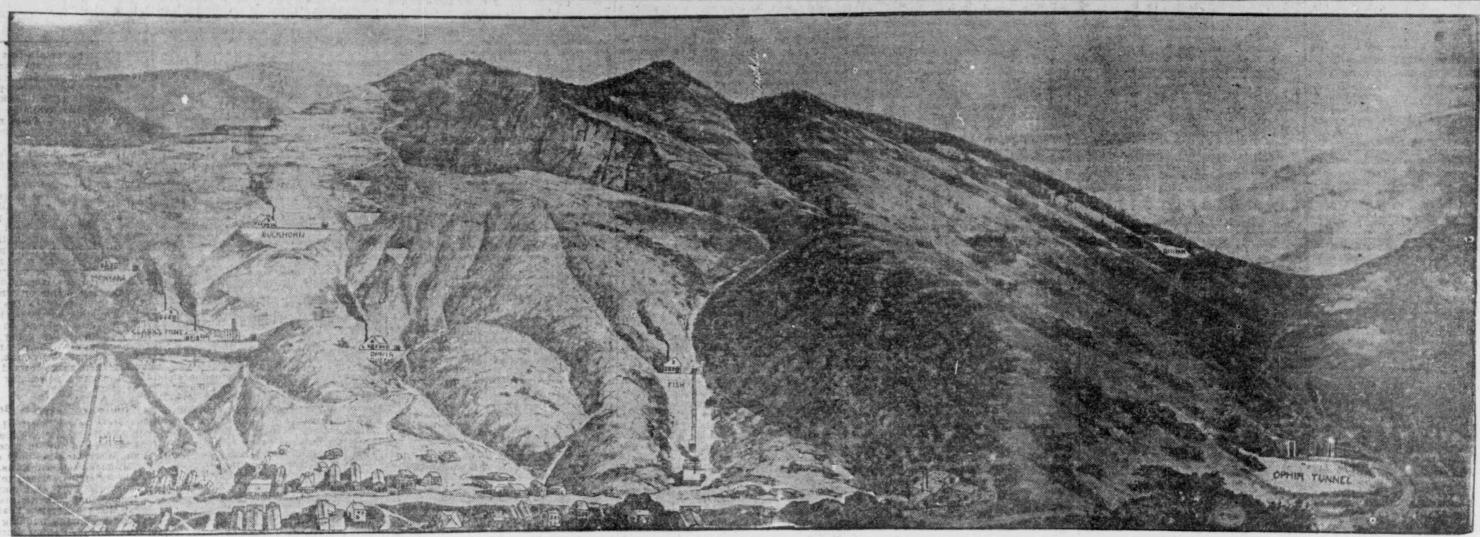
# Immense Treasures of Buckhorn Ore Company's Ground to Be Extracted



View of Ophir Camp, Showing Buckhorn and Ophir Tunnel Properties, Belonging to Buckhorn Ore Company and Others. Also Clark Mine and Mill.

prises in Utah is embodied in the plans Treasure mine, which lie together and corporation, projected by Duluth and state. It is equipped with a concen-Milwaukee capitalists.

ances. This undertaking consists of be run to his mine: the grouping together and operation of a large area of proven mining ground and is in keeping with the line followed by the builders of modern bonanzas of having produced over a quarter milthroughout the west.

#### Large Areas Are Best.

only safe foundations for great mines. by metallic contents.

The advantages are opportunities for drainage, avoidance of litigation and horn has been done by the joint efforts absolute and undisputed right to reap of the Niedringhauses of St. Louis, the profits from all ore finds against former owners of the mine, and the In short, it gives the investor a chance by W. F. Snyder and the late P. L. to obtain the rewards for which he has Kimberly. This work consists of three

of a ridge of the Ophir mountain and reach downward on the tunnel side to a point some 3,000 feet below the high-

A. Clark of Montana, and which joins a thickness of from five to twenty feet,

One of the gigantic mining enter- | famous old Mono mi.e and the Hidden laid out and being executed by the Buckhorn Ore company's mine on the west. The Clark mine is one of Buckhorn Ore company, a Minnesota the most successful properties in the filwaukee capitalists.

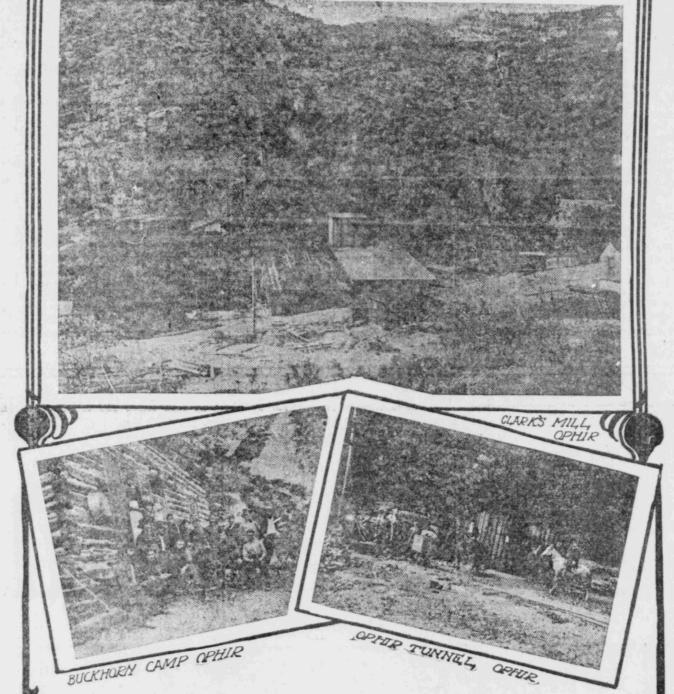
The scene of its operations is at trator plant, from which between 125 and 150 tons of concentrates are slipped every day. This locality is phi., Tooele county, Utah, a camp nine miles distant from St. John, a rich in history, prominent at present station on the main line of the San as a producer and promising almost beyond computation in future performand from which a spur road is soon to

#### Record of the Buckhorn.

lion dollars from its upper workings. These values were taken from a hidden vein, similar to the ore bodies of Large areas are admitted to be the Bingham, and is a replacement of lime

the aggressions of neighboring owners. Western Exploration company, headed tunnels 200 feet vertically apart on the This consolidation of interests in-cludes the holdings of the Buckhorn into two other fissures to the extent Mining company and the Ophir Tunnel of upwards of 5,000 feet, or one mile company, with a combined area of over This work, in addition to developing the 200 acres.

These properties overlap the summit purpose, as it is headed mainly towards 2,000 feet below the highest point of This mine lies between the famous the ground. The bedded vein as far Ophir Hill mine, owned by Senator W. as penetrated from the surface shows it on the east, and the almost equally and will doubtless, like similar depo



ambition of most mine operators.

ver, 2.5 per cent copper and \$3

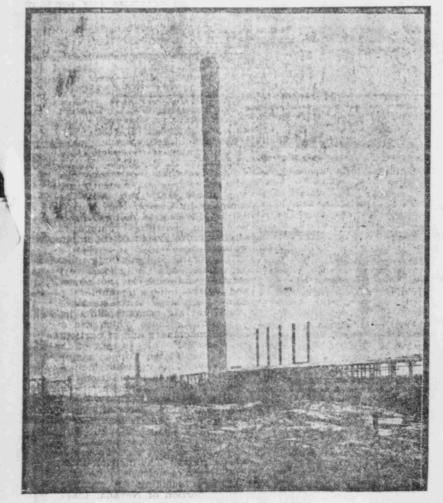
Year's Work at the Carisa.

and 21 per cent iron.

Recently tests were made of the Sil-

ver Shield ores at a neighboring con-

## Portland Cement Company's Big Plant



The Big Stack at Butte, Montana.

dustries of Salt Lake is the manufac- gineer of Salt Lake tested and acceptture of Portland cement. This valuable out a single rejection. It was used in building a smelter stack for the Butte the past year at full capacity, productive production of the materials.

ing on an average about 400 barrels of The manufacture of Portland cement be utilized for the equipment that comthe past year at fall capacity, producting on an average about 400 barrels of cement a day. But so far has been the demand in advance of the supply that the present capacity of the mill will be doulled within the coming year. The trade mark of the product of this company is "Red Diamond," and for this brand its manufacturers claim that it is one of the most uniform high grade Portland cements made in the mine a spread of the mine as generally known. Within the past pletes the work.

An interesting feature of this as well as of other similar plants is the laboratory, where all the rock is analyzed and afterwards rolled to a fineness approaching fine sand. Next it is burned to a fineness approaching fine sand. Next it is burned as of other similar plants is the laboratory. Where all the rock is analyzed and afterwards rolled to a fineness approaching fine sand. Next it is burned as of other similar plants is the laboratory. Where all the rock is analyzed and afterwards rolled to a fineness approaching fine sand. Next it is burned to a fineness approaching fine sand. Next it is burned to a fineness approaching fine sand. Next it is burned to a fineness approaching fine sand. Next it is burned to a fineness approaching fine sand. Next it is burned to a fineness approaching fine sand afterwards rolled to a fineness approaching fine sand. Next it is burned to a fineness approaching fine sand. Next it is burned to a fineness approaching fine sand afterwards rolled to a fineness approaching fine sand. Next it is burned to a fineness approaching fine sand afterwards rolled to a fineness approaching fine sand afterwards rolled to a fineness approaching fine sand afterwards rolled to a fineness approaching fine s

An important factor among the in- | Within the past year the city en-Cement company of Utah (limited), reduction works, owned by Senator W. with a mill located in the southwestern A. Clark of Montana, 352 feet 7 inches Rio Grande Western railroad in Par-ley's canyon, some eight miles distant. The plant has been operated during its strength and durability, is rapidly

### Silver Shield and Carisa

The Silver Shield, at Bingham, and | The Silver Shield possesses a liberal the Carisa, at Eureka, are both oper- acreage and has a sufficient area of contiguous ground under bond to place ated under the direction of Harry S. it, when development has been com-Joseph, the well-known mine operator pleted, in that class of Bingham properties which is sufficient to satisfy the

Both of these properties were several years ago in the dividend-paying list, but both of them, either from misexisting underground conditions, retro-graded before falling into the hands management or a misconception of the of the present management and into taken that will result in the erection the assessment list.

After nearly two years of intelligent lirection and the expenditure of con- milisite favorable for economic operasiderable money, both properties are responding well to the efforts for their tance down the gulch from the Boston restoration, and the indications are that they will soon again become bona fide mines on a more substantial and permanent had the substantial and responsible to the energy of th permanent basis than ever before. ermanent basis than ever before.

The Silver Shield is in the immediate icinity of the giant properties of the light of the light of the light of the light of the giant properties of the light of the vicinity of the giant properties of the United States company's holdings, and, like all of the properties, the work is performed through a tunnel.

property revealed values measured by 25 per cent lead, fifteen ounces of sil-

The driving of the tunnel has been ccompanied with considerable difficul- to the ton. The concentrates obtained ty from an overabundance of water, but this difficulty has been overcome and recently the bedded vein toward which the work was directed was reached and a fine body of ore characteristic of the camp in value and magnitude was ence ntered.

New work on the 400 and the 200-foot levels have uncovered equally rich stuff and fully as large ore bodies. present from 600 to 800 tons are being shipped by the company and from 100 to 150 tons are shipped by leasers from Carisa ground.

### SUNDAY SCHOOL UNION.

Work of National Organization in Utah During Past Year.

The American Sunday School union, centrator and the experiments showed with headquarters at 1122 Chestnut street, Philadelphia, Pa., and of which Rev. J. M. Crowell, D. D., is secretary, within the coming year of a seventyhas been doing missionary work in Utah for over ten years. During that five-ton mill for reducing these ores. A time more than seventy Sunday schools ligious instruction. The work done by the missionaries has been of the piowhen the undertaking is once begun. lights. Recent shipments from this might be taught the word of God. In many instances denominational work has grown out of the seed planted, as it is the policy of the American Sunday School union to withdraw from a field when an evangelical denomination enters. Five of the great denominations have been thus benefited. During the past year two missionaries, Mrs. R. B. Rand of Summit county and James H. Worrall of Salt Lake City, have given their entire time to might be taught the word of God. In from a test run yielded 13.5 per cent lead, 5.08 ounces si er, 80 cents gold The year's development in the Carisa have been equally encouraging. Shipments have brought good returns, and the assuring condition of the mine is generally known. Within the past eleven Sunday schools; two home departments also have been conducted; three chapels have been secured (though not paid for in full), one at Kamas, one at Highland Boy smelter and one at Milford. More than 300 children have been under religious inworld. It is shipped from Salt Lake in clinkers, which are cooled and then all over Utah and into Colorado, Callfornia, Idalo. Montana and Washington, and is used in all kinds of construction work by corporations, multipulatities and the federal government including and the federal government in the proper to the first plant to the form Denver to the F. life coast and proper to the F. life coast and from Denver to the F. life coast and from Denver to the F. life coast and from Denver to the F. life coast and from Seattle to Los Angeles.

| Angeles | Coal is all burned, leaving the cement children have been under religious inclinkers, which are cooled and then accuracy of the burn-plished and the accuracy of the burn-plished proper of one missionary includes the character of the work being done for the neglected chill the proper formula or a slight va

its in that region, increase both in size and nearly 3,000 feet below the highest and value as depth is attained. In the known mineralized ground on the development of the fissure ground tract. amazing results have been obtained to the extent that no less than twelve ore chimneys have been encountered with an average depth of fully 500 feet vertically for stoping. A shipment of one car from one of these bodies recently netted the company \$801, the contents being silver, lead and small gold values. With further depth copper values will in all probability appear.

#### Great Bodies of Ore. The immensity of these twelve ore

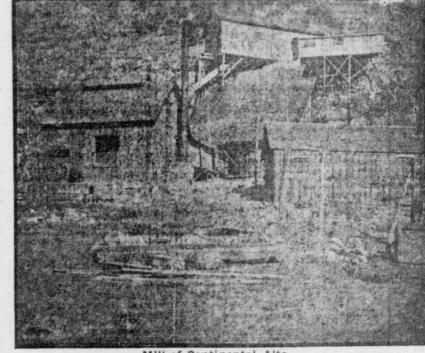
upon for only the ore extracted in their development, can best be understood when it is stated that they vary in thickness from two to thirty feet and been found. in length along the fissure some of them measure 100 feet or more, with a them measure 100 feet or more, with a exploring this vast tract, drain the combined length of some 600 feet, and property and afford an economic out-The ore from these places carries about one ounce of silver to each per cent of lead, and the lead varies from the millsite, as the case may be. It 20 to 65 per cent, averaging toward the latter amount. A test run of 500 tion of this immense tract has been extensed by the latter amount. A test run of 500 tion of this immense tract has been extensed by the composition of the lowest grade of this man plored and that the opportunities are Clark mill, three-q arters of a mile tant finds. away, but from the uniform richness of the deposits it is probable that concentration will be needed for but a small portion of this ore. if, indeed, any of it. The Buckhorn property, is their intention to continue the design of the Buckhorn of the Buckhorn or com-

The Ophir Tunnel property, according to reports by competent authorities, covers to all appearances the center of the heart of this are belt, a distance of 7,000 feet long by from 3,000 to 4,000 feet wide. The tunnel, which is now in 1,000 feet, will cut in the original Ophir Tunnel ground five fissures of great size exposed at the surface, where every indication points to the existence of large ore bodies, and bodies, which have as yet been called will then cut the extension of the old Buckhorn ore bodies nearly 1,000 feet below its lowest workings, where the rich bodies in fissures have already

This great tunnel will, in addition to extend nearly that distance vertically. let for the ores and deliver them to a terial has been arranged for at the equally good for other fully as impor-

The men behind this move are A. L. with over 600 acres, slopes toward Dry canyon on the west, and the Ophir pany's grounds in even a more aggress-Tunnel property, with 520 acres, slopes ive manner than their predecessors; to from the border line near the summit to Ophir canyon on the east, and the Ophir tunnel extended into the Buckhorn ground will cut it nearly 1,000 so as to give it a commanding position for the low its lower to be sufficient to the summit of lowest present workings among the great mines of the

### Continental Alta's Splendid Prosperity



The Continental Mines & Smelter ates, silver and some gold. Copper corporation, with the Continental Alta of high grade is also of frequent occurrence. Another product, the process for handling which is being rounded velop Alta camp and the Little Cotton- out, is molybdenum. This occurs in have been organized, and hundreds of children have been brought under re- Salt Lake is general manager: R S and resembles yellow mica. The wul-Salt Lake is general manager; R. S.
Smith is superintendent of the mine and molybdenum, which is obneer kind and unsectarian in its character. The object has been to gather the neglected children, where sult of grouping a number of famous and molybdenum, which is obtained by smelting, is worth \$2.75 a pound.

The ore bodies are of unusual size, some one competent could be obtained to superintend, into schools where they might be taught the word of God. In City, have given their entire time to tion via Wasatch, and this will be put present management bought up the litthe work in Utah; J. D. Johnson of in operation next year. In the enterigants and effected a consolidation. Salt Lake City has given the major prise from fifty to seventy-five men are employed, and after two years of missionaries in Utah have organized work the main chamber is now being shares. One million shares have been

#### COQUETTE.

(Cleveland Leader.) Him-You have deceived me cruelly! Her-How so?

Him-You promised to love me forever, and now I find you carrying on with an-Her-Cheer up, George, I'm going tot de-